

WHAT IS CLAIMED IS:

1. A 3-dimensional hinge for connecting a first wooden member and a second wooden member together permitting one to swing about the other, the
5 3-dimensional hinge comprising:

a shaft, said shaft having a top screw hole in a top side thereof and a bottom screw hole in a bottom side thereof;

- 10 a top adjustment screw, said top adjustment screw having a threaded shank threaded into the top screw hole of said shaft;

a bottom adjustment screw, said bottom adjustment screw having a threaded shank threaded into the bottom screw hole of said shaft;

- 15 an upper left-hand leaf, said upper left-hand leaf having a through hole vertically disposed at one end thereof and coupled to the threaded shank of said top adjustment screw, a plurality of pointed teeth horizontally forwardly extended a front side thereof for striking into the first wooden member, and a
20 stop element for stopping at one side of the first wooden member to guide the pointed teeth of the upper left-hand leaf into the first wooden member during installation;

- an upper right-hand leaf, said upper right-hand leaf having an oblong
25 through hole vertically disposed at one end thereof and coupled to the threaded

shank of said top adjustment screw, a plurality of pointed teeth horizontally forwardly extended from a front side thereof for striking into the second wooden member, and a stop element for stopping at one side of the second wooden member to guide the pointed teeth of said upper right-hand leaf into the second
5 wooden member during installation;

a top bearing sleeved onto the threaded shank of said top adjustment screw and stopped between said upper left-hand leaf and said upper right-hand leaf;

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a lower left-hand leaf, said lower left-hand leaf having an oblong through hole vertically disposed at one end thereof and coupled to the threaded shank of said bottom adjustment screw, a plurality of pointed teeth horizontally forwardly extended a front side thereof for striking into the first wooden
15 member, and a stop element for stopping at one side of the second wooden member to guide the pointed teeth of said lower left-hand leaf into the first wooden member during installation.

a lower right-hand leaf, said lower right-hand leaf having a through
20 hole vertically disposed at one end thereof and coupled to the threaded shank of said bottom adjustment screw, a plurality of pointed teeth horizontally forwardly extended a front side thereof for striking into the second wooden member, and a stop element for stopping at one side of the second wooden member to guide the pointed teeth of said lower right-hand leaf into the second wooden member
25 during installation; and

a bottom bearing sleeved onto the threaded shank of said bottom adjustment screw and stopped between said lower left-hand leaf and said lower right-hand leaf.

- 5 2. The 3-dimensional hinge as claimed in claim 1, wherein the pointed teeth of said upper left-hand leaf, said upper right-hand leaf, said lower left-hand leaf and said lower right-hand leaf each have a barbed tip.